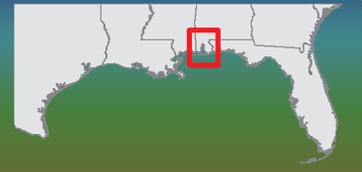




Gulf Coast
Ecosystem
Restoration
Council

Mobile Bay Watershed

Alabama Living Shoreline Monitoring
(AL_RESTORE_004_004_Cat1/Cat2)



Project Name: Comprehensive Living Shoreline Monitoring

Costs: Category 1: \$25,000 | Category 2: \$3,975,000

Responsible Council Member: State of Alabama

Project Details: As shoreline armoring increases in our coastal estuaries, intertidal habitats continue to be lost. To address this issue, resource agencies, regulatory agencies, non-governmental organizations (NGOs) and other concerned partners have been actively promoting living shorelines as an alternative to traditional bulkheads and similar shoreline armoring. However, while it is generally known that living shorelines can provide erosion control and increased ecosystem services, it is also acknowledged that more data is needed on living shorelines restoration techniques and their efficacy.

Activities: The project includes activities in two FPL categories. Category 1 activities will develop a plan for monitoring and assessing the performance and efficacy of at least 10 proposed and existing living shoreline projects in coastal Alabama. This comprehensive monitoring plan will develop a standard set of monitoring parameters that allow for robust comparisons of effectiveness of various living shorelines restoration techniques while providing an accurate evaluation of their success relative to specific and variable site conditions. If fully implemented, the monitoring data collected would provide valuable information to resource managers, project proponents, homeowners and others interested in utilizing and promoting living shorelines techniques. This effort could serve as a pilot project for the Council to consider expanding Gulf-wide when future funds become available.

Category 2 activities are being considered for potential future funding, and if implemented would utilize the Comprehensive Monitoring Plan developed by the Category 1 activities to implement a living shorelines monitoring program. Consistent data would be collected for a period of five years at a minimum of 10 living shorelines sites in coastal Alabama. Annual Monitoring Reports and a final five-year Comprehensive Monitoring Report would be produced.

Environmental Benefits: The project, if fully implemented, would provide valuable data on the benefits of a wide range of proposed and existing living shorelines projects. This includes data on shoreline stabilization, biological productivity and similar parameters. This data will then be available to inform resource managers, consultants, homeowners and others decision makers interested in designing and utilizing living shorelines in place of traditional shoreline armoring.

Duration: The plan is expected to take one year to develop, and, if implemented in the future, monitoring would be implemented over a five-year period.

More information on these activities can be found in Appendix F. Mobile Bay; Unique Identifier: AL_RESTORE_004_004_Cat1 and AL_RESTORE_004_004_Cat2.



Gulf Coast Ecosystem Restoration Council

Mobile Bay Watershed

Comprehensive Living Shoreline Monitoring

 Living Shoreline Monitoring Program

Cost: Category 1: \$25,000 | Category 2: \$3,975,000
Sponsor: State of Alabama

Project Status: Planning/Implementation
Purpose: The project allows Alabama to monitor living shoreline restoration techniques along the Alabama Coast. **Planning** - This planning project develops comprehensive shoreline monitoring protocols to assess the effectiveness of existing and future living shorelines projects. **Implementation** - If funded in the future, this project would support five years of the comprehensive monitoring data collection.



Map Date: October 19, 2015

Gulf of Mexico

Mobile Bay